BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of work: Estimate for Construction of 1st Floor at Anganavadi Centre, Thindlu in Ward No. 09 (Vidyaranyapura) Vidyaranyapura Sub Division.

								Estimate Cost Rs.	2000000.00
Sl No	Description of item	Unit		L	B	D	Qty	Rate	Amount
1	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 **Page No. 5 / Item No. 2.3 of PWD SR 2016-17**	Cum							
	For Sump		2	4.00	2.00	3.00	48.00		
	Toilet		4	1.50	1.20	1.00	7.20		
	Concrete infront of Anganavadi		1	20.00	6.50	0.20	26.00		
	Concrete infront of Helpline Centre		1	20.00	5.00	0.20	20.00		
	Help Line Centre Backside		1	30.00	1.20	0.20	7.20		
	Basic Rate	189.00					**108.40**	204.12	**22127.00**
	Area Weightage @ 8%	15.12							
	Total	**204.12**							
2	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.3 of PWD SR 2016-17**	Cum							
	Sump		1	4.00	2.00	0.15	1.20		
	Toilet		4	1.50	1.00	0.15	0.90		
	Concrete infront of Anganavadi		1	20.00	6.50	0.15	19.50		
	Concrete infront of Helpline Centre		1	20.00	5.00	0.15	15.00		
	Help Line Centre Backside		1	30.00	1.20	0.15	5.40		
	Basic Rate	4867.00					**42.00**	5256.36	**220767.00**
	Area Weightage @ 8%	389.36							
	Total	**5256.36**							
3	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 23 / Item No. 5.6, PWD SR 2016-17**	Cum							
	Toilet		4	1.35	0.75	0.60	2.43		
	Basic Rate	4187.00					**2.43**	4521.96	**10988.00**
	Area Weightage @ 8%	334.96							

	Description of item	Unit		L	B	D	Qty	Rate	Amount
	Total	**4521.96**							
	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 23 / Item No. 5.9, PWD SR 2016-17**	Cum							
	Toilet		4	1.35	0.45	0.45	1.09		
	Basic Rate	5005.00					**1.09**	5405.40	**5911.00**
	Area Weightage @ 8%	400.40							
	Total	**5405.40**							
5	Providing and laying **cement concrete** using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete **(RMC) M 20** for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, **for raft foundation column footing , main and secondary beams** with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) **Page No. 18, Item No. 4.48, PWD SR 2016-17**	Cum							
	Columns Rising		8	0.20	0.45	3.60	2.59		
	Plinth		1	29.80	0.20	0.30	1.79		
	Lintel		1	29.80	0.20	0.15	0.89		
	Beams		1	8.00	0.20	0.45	0.72		
	Allround Beam		1	29.80	0.20	0.45	2.68		
	Roof Slab		1	8.00	7.30	0.15	8.76		
	Sump		1	4.00	2.00	0.15	1.20		
	Side Wall		2	4.00	0.15	2.70	3.24		
			2	1.70	0.15	2.70	1.38		
	Sump Roof		1	4.00	2.00	0.15	1.20		
	Roof Toilet Narasipura		1	3.50	1.50	0.15	0.79		
	Rood of Narasipura Anaganavadi		1	9.50	4.50	0.15	6.41		
	Basic Rate	5879.00					**31.65**	6349.32	**200975.00**
	Area Weightage @ 8%	470.32							
	Total	**6349.32**							
6	KSRB 4.2.11 : Providing and laying in position **reinforced cement concrete of design mix M20** with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.05865cum and fine aggregtes @ 0.0391cum, with superplastisiser @0.225lts, machine mixed, well compacted for **plain chajja of 8.5 cms.** average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 14 / Item No. 4.20, PWD SR 2016-17**	Sqm							
	Windows		4	1.50	0.60		3.60		

Sl No	Description of item	Unit		L	B	D	Qty	Rate	Amount
			2	0.60	0.45		0.54		
	Basic Rate	514.00					**4.14**	555.12	**2298.00**
	Area Weightage @ 8%	41.12							
	Total	**555.12**							
7	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **Page No. 25 / Item No. 5.27.2, PWD SR 2016-17**	Sqm							
	All Round Wall		2	29.80		3.00	178.80		
	Toilet Walls for 2 Toilets		4	1.35		2.10	11.34		
	Anganavadi Narasipura Toilet		1	3.50		3.00	10.50		
			1	1.50		3.00	4.50		
	Room Inside Wall		2	4.50		3.00	27.00		
	Raising of Wall		2	9.50		1.00	19.00		
			2	4.10		1.00	8.20		
	Parapet		2	8.00		0.45	7.20		
			2	6.90		0.45	6.21		
	Narasipura Anganavadi Parapet Wall		2	9.50		0.45	8.55		
			2	4.10		0.45	3.69		
	Compound Wall		1	19.00		1.50	28.50		
							313.49		
	Deduct for Openings								
	ED		1	1.20		2.10	2.52		
	Windows		4	1.50		1.20	7.20		
	Lintel		1	29.80		0.15	4.47		
	Alround beam		1	29.80		0.45	13.41		
	Toilet Door		2	0.75		2.10	3.15		
	Ventilator		2	0.60		0.45	0.54		
							-31.29		
	Basic Rate	831.00					**282.20**	897.48	**253269.00**
	Area Weightage @ 8%	66.48							
	Total	**897.48**							
8	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - **TMT bars Fe 500 Page No. 17 / Item No. 4.46.2, PWD SR 2016-17**	Tonne							
	120 Kg / Cum		0.120	31.65			3.80		
	7 Kgs/ Sqm		0.007	4.14			0.03		

Sl No	Description of item	Unit		L	B	D	Qty	Rate	Amount
	Basic Rate	56050.00					**3.83**	60534.00	**231684.00**
	Area Weightage @ 8%	4484.00							
	Total	**60534.00**							
9	KSRB 10-3 : Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and	Sqm							
	Roof Slab		1	8.00	7.30		58.40		
	Exising Building		2	9.45	4.50		85.05		
	Basic Rate	904.00					**143.45**	976.32	**140053.00**
	Area Weightage @ 8%	72.32							
	Total	**976.32**							
10	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 114, Item No. 15.21 of PWD SR 2016-17**	Sqm							
	Room		1	7.60	6.90		52.44		
			2	1.15	1.15		2.65		
	Basic Rate	193.00					**55.09**	235.44	**12969.00**
	Add for Lime Rendering	25.00							
		218.00							
	Area Weightage @ 8%	17.44							
	Total	**235.44**							

Sl No	Description of item	Unit		L	B	D	Qty	Rate	Amount
11	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 114 / Item No. 15.16, PWD SR 2016-17**	Sqm							
	Living hall		2	7.60		3.00	45.60		
			2	6.90		3.00	41.40		
	Toilet Block		8	1.15		2.10	19.32		
							106.32		
	Deduction ED		0.5x1	1.20		2.10	1.26		
	Windows		0.5x4	1.50		1.20	3.60		
			0.5x2	0.75		2.10	1.58		
			0.5x2	0.60		0.45	0.27		
							-6.71		
	Basic Rate	221.00					**99.62**	264.60	**26358.00**
	Add for Lime Rendering	24.00							
	Total	**245.00**							
	Area Weightage @ 8%	19.60							
	Total	**264.60**							
12	KSRB15-3.9 :Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 114 / Item No. 15.17, PWD SR 2016-17**	Sqm							
	Thindlu Anaganvadi		2	8.00		4.20	67.20		
			2	7.30		4.20	61.32		
			8	1.35		2.10	22.68		
	Narasipura Anagnavadi		2	9.50		1.75	33.25		
			2	4.50		1.75	15.75		
	Compound Wall		2	19.00		1.60	60.80		
							261.00		
	Deduction ED		0.5x1	1.20		2.10	1.26		
	Windows		0.5x6	1.50		1.20	5.40		
			0.5x2	0.75		2.10	1.58		
			0.5x2	0.60		0.45	0.27		
							-8.51		
	Basic Rate	198.00					**252.50**	213.84	**53994.00**
	Area Weightage @ 8%	15.84							
	Total	**213.84**							

Sl No	Description of item	Unit		L	B	D	Qty	Rate	Amount
			1	3.50	1.50		5.25		
	Basic Rate	384.00					**96.32**	414.72	**39947.00**
	Area Weightage @ 8%	30.72							
	Total	**414.72**							
17	KSRB 4-6.7 :Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for sides and soffits of **beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth** including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No. 16 / Item No. 4.34, PWD SR 2016-17**	Sqm							
	Allround Lintel		2	29.80		0.30	17.88		
	Allround Plinth		2	29.80		0.15	8.94		
	Allround Beam		2	29.80		0.45	26.82		
	Basic Rate	256.00					**53.64**	276.48	**14830.00**
	Area Weightage @ 8%	20.48							
	Total	**276.48**							
18	Supplying and fixing pressed steel door frames size 125x65 mm manufactured from 1.25mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and shutters made out of seasoned Honne wood, styles of 30 mm, thick with lock rail of 160 mm, width, top and side rails of 100 mm. width and bottom rails of 250 mm width and panel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof, vermin proof, heat resistant guaranteed against shrinkage, warpage and such other defects for a period of 3 years. This shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting with enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, loading and unloading etc., complete. The Hollow portion of the frame to be filled with cement concrete 1:2:4. **Page No. 39 / Item No. 7.26, PWD SR 2016-17**	Sqm							
	Main Door		1	1.20		2.10	2.52		
			2	0.75		2.10	3.15		
	Basic Rate	3500.00					**5.67**	3710.00	**21036.00**
	Area Weightage @ 6%	210.00							
	Total	**3710.00**							

Sl No	Description of item	Unit		L	B	D	Qty	Rate	Amount
19	"Supplying and fixing pressed steel window frame of size 100 x 50mm manufactured from 1.25 mm thick carbon steel or imported steel strips with neat mitred joints at 900degree for window openings and shall be suitable to fix M.S. grills as per design and drawings using 12mm dia rods at 100mm Centre to Centre horizontally and two members of M.S flats of 6mmx40mm size at 150mm apart, welded into a frame of 6mmx40mm size M.S. flats with 16mm size lugs, and 8 Nos. of 100mm size hinges, 4 Nos of Butt Stay pins and 4 Nos. Tower bolts and shutters half panelled and hallf glazed with shutters made out of seasoned honne wood, styles of 30mm thick and 100mm width and rails of 30mm thick and 100mm width and using 4mm thick pin headed glass and panel, filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof vermin proof, heat resistant guaranteed against shrinkage, warp age and such other defects for a period of 3 years.This shall be as per approved drawing, specification and direction including cost of conveyance, manufacturing painting with 2 coats enamel	Sqm							
	Windows		10	1.20		1.50	18.00		
			2	0.60		0.45	0.54		
	Basic Rate	3800.00					**18.54**	4028.00	**74679.00**
	Area Weightage @ 6%	228.00							
	Total	**4028.00**							
20	KSRB 15-14.1 : Providing and **applying two coats with oil bound washable distemper** of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. **Page No. 117 / Item No. 15.49.1, PWD SR 2016-17**	Sqm							
	Ground and First		Qty Vide Item No.10+11				154.70		
							309.40		
	Help Centre inside		2	9.30		3.00	55.80		
			2	5.90		3.00	35.40		
	Anganavadi Narasipura		2	9.10		3.00	54.60		
			2	4.10		3.00	24.60		
	Inside Wall		2	4.50		4.30	38.70		
							518.50		
	Deduction for Doors		0.5x3	1.20		2.10	3.78		
	Windows		0.5x6	1.20		0.90	3.24		
							-7.02		
	Basic Rate	71.00					**511.48**	76.68	**39220.00**
	Area Weightage @ 8%	5.68							
	Total	**76.68**							

Sl No	Description of item	Unit		L	B	D	Qty	Rate	Amount
21	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. **Page No. 117 / Item No. 15.53.2, SR 2016-17.**	Sqm							
			Qty Vide Item No.12				252.50		
							504.99		
	Thindlu Help Centre		2	9.70		4.20	81.48		
			2	6.30		4.20	52.92		
	Narasipura Anganavadi		2	9.45		4.20	79.38		
			2	4.50		4.20	37.80		
			3	4.50		4.20	56.70		
							813.27		
	Deduction for Doors		0.5	1.20		2.10	1.26		
	Windows		0.5x4	1.20		0.90	2.16		
							-3.42		
	Basic Rate	84.00					**809.85**	90.72	**73470.00**
	Area Weightage @ 8%	6.72							
	Total	**90.72**							
22	KSRB 14.14-5: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic Tiles of size 30x30cms 6mm thick. **Page No.106, Item No. 14.36.2, PWD SR 2016-17**	Sqm							
	Thindlu Anganavadi Flooring		1	1.20	1.20		1.44		
	Narasipura Anganavadi		3	1.20	1.20		4.32		
							5.76	1270.08	**7316.00**
	Basic Rate	1176.00							
	Area Weightage @ 8%	94.08							
	Total	**1270.08**							
23	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 - Colour glazed tiles 30x60 cms 6mm thick with border of size 30 x 10 cms. **Page No.106, Item No. 14.41.2 PWD SR 2016-17**	Sqm							
	Thindlu Anganavadi Sides		4	1.20		2.10	10.08		
	Narasipura Anganavadi		12	1.20		2.10	30.24		

Sl No	Description of item	Unit		L	B	D	Qty	Rate	Amount
							40.32		
	Deduction of Doors		4	0.75	2.10		-6.30		
	Ventilator		4	0.60	0.45		-1.08		
							-7.38		
							32.94	1602.72	**52794.00**
	Basic Rate	1484.00							
	Area Weightage @ 8%	118.72							
	Total	**1602.72**							
24	KSRB 11-6 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, S-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre white glazed / vitreous china clay low level, flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 **Page No. 77 / Item No. 12.6, PWD SR 2016-17**	Each							
			6				**6**	5351.40	**32108.00**
	Basic Rate	4955.00							
	Area Weightage @ 8%	396.40							
	Total	**5351.40**							
25	KSRB 11-11.1 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 **Page No. 80, Item No. 12.23, PWD SR 2016-17**	Unit							
			6				**6**	4196.88	**25181.00**
	Basic Rate	3886.00							
	Area Weightage @ 8%	310.88							
	Total	**4196.88**							
26	KSRB13-1.2 : Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 20mm dia nominal bore with fittings (medium grade weight 1.65 kg/mtr) B class including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.14 / 13.8 **Page No. 90, Item No. 13.2, PWD SR 2016-17**	m							
			1	110.00			**110.00**	241.92	**26611.00**
	Basic Rate	224.00							

Sl No	Description of item	Unit		L	B	D	Qty	Rate	Amount
	Area Weightage @ 8%	17.92							
	Total	**241.92**							
27	Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer Black or Blue and inner White layer of approved quality and make, conforming to I.S.I./ISO/SSI specifications. (P.No. 265 / I.No. 37.58 of CSR 2016-17)	L							
			2	500.00			500		
			2	1000.00			1000		
	Basic Rate	6.00					**1500**	6.48	**9720.00**
	Area Weightage @ 8%	0.48							
	Total	**6.48**							
28	KSRB13-6.2-2 : Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3 **Page No. 91, Item No. 13.27, PWD SR 2016-17**	Each							
			15				**15**	172.80	**2592.00**
	Basic Rate	160.00							
	Area Weightage @ 8%	12.80							
	Total	**172.80**							
29	KSRB 8.6-5 : Providing and fixing on wall surface 2.5 kg / sq.cm H.D.P.E. rain down water pipes 90 mm outer dia approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, curing complete as per specifications. **Page No. 47 / Item No. 8.16, PWD SR 2016-17**	m							
	All Round Wall		10	3.00			**30.00**	429.84	**12895.00**
	Basic Rate	398.00							
	Area Weightage @ 8%	31.84							
	Total	**429.84**							

Sl No	Description of item	Unit		L	B	D	Qty	Rate	Amount
30	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. **- M20 (at 300Kg per cum coarse aggregate @ 0.64cum and**	cum							
	Concrete infront of Anganavadi		1	20.00	6.50	0.10	13.00		
	Concrete infront of Helpline Centre		1	20.00	4.50	0.10	9.00		
	Helpline Centre Backside		1	30.00	1.20	0.10	3.60		
	Basic Rate	5197.00					**25.60**	5508.82	**141026.00**
	Area Weightage @ 6%	311.82							
	Total	**5508.82**							
30	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation. **Page. No. 43 / Item. No. 7.37 PWD SR 2016-17**	Sqm							
			1	3.00	1.50		4.50		
	Basic Rate	5197.00					**4.50**	5508.82	**24790.00**
	Area Weightage @ 6%	311.82							
	Total	**5508.82**							

Sl No	Description of item	Unit		L	B	D	Qty	Rate	Amount
	PART - 2 ELECTRICAL AND FITTINGS								
35	Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A b) Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch **(Page No. 05, Item No.2.1 KPWD SR 2014-15**	Point							
			5				**5**	245.00	**1225.00**
36	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, Finishing with necessary cement plastering complete (1.6.5) 4"x4"x3" (101x101x76mm) **(Page No. 03, Item No. 1.6) KPWD SR 2014-15**	Each							
			5				**5**	68.00	**340.00**
37	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches, regulators etc., and fixing on existing wooden or metal box using N.F. screws. **(Page No. 17, Item No. 3.9) KPWD SR 2014-15**	SqCM							
							1200	0.25	**300.00**
38	Extra for Groove cutting in brick wall/CC floor to the suitable depth for concealing of Conduit/GI pipe and plastering, finishing upto wall surface complete. upto 50mm conduit in brick wall **(Page No. 03, Item No.1.7.1) KPWD SR 2014-15**	Mtr							
			1	60.00			**60**	21.00	**1260.00**
39	Supplying heavy gauge PVC Conduit Pipe 19/20 mm dia 2 mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. **(Page No. 02, Item No. 1.3.1) KPWD SR 2014-15**	Mtr							
			1	60.00			**60**	56.00	**3360.00**
40	Supplying and fixing PBBC/Bakelite straight or slant batten holder and wiring with 60w/230 volts lamps. **(Page No. 20, Item No. 4.2) KPWD SR 2014-15**	Each							
			1				**1**	88.00	**88.00**

Sl No	Description of item	Unit		L	B	D	Qty	Rate	Amount
41	Supplying patti type fluorescent tube light fitting of 2' - suitable for 14 watts fluorescent tube fitting, made out of M.S. Sheet and stove enameled with HF Electronic Ballast , locking type brass contact holders mounted on double fold type sheet base fully wired for use on 230 volts AC . Supply including T5 lamp. **(Page No. 20, Item No. 4.5) KPWD SR 2014-15**	Each							
			1				**1**	591.00	**591.00**
42	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP - A 1.5 sqmm **(Page No. 06, Item No. 2.5.2) KPWD SR 2014-15**	Mtr							
			1	15.00			**15**	18.60	**279.00**
43	Supplying and fixing cast Aluminum round or oblong type bulk head fitting with GI wire guard, glass cover with 60/100 watts 230V GLS lamp. **(Page No. 20, Item No. 4.3) KPWD SR 2014-15**	Each							
			4				**4**	747.00	**2988.00**
44	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia **(Page No. 55, Item No. 7.1)**	No							
			1				**1**	2727.00	**2727.00**
45	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A **P No. 55/ I No. 7.4.4 4 core 16 Sqmm KPWD Electrical SR 2014-15**	Mtr							
			1	30.00			**30.00**	140.40	**4212.00**
46	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct. **P No. 61 / I No. 7.8.1 6Sqmm to 16 Sqmm) KPWD Electrical SR 2014-15**	Mtr							
			1	30.00			**30.00**	10.80	**324.00**

Sl No	Description of item	Unit		L	B	D	Qty	Rate	Amount
47	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete For Cutting Road Surface .(As per Civil SR KSRB I-2, P-7) **P No. 61 / I. No. 7.9.3 KPWD Electrical SR 2014-15**	Mtr							
			1	25.00			**25.00**	85.00	**2125.00**
48	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV 40mm dia GI pipe **P. No. 62 / I No. 7.12.1 KPWD Electrical SR 2014-15**	Mtr							
			1	4.00			**4.00**	345.00	**1380.00**
49	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers 16Sqmm etc., **P. No. 62 / I.No. 7.13.2 KPWD Electrical SR 2014-15**	No.							
			2				**2.00**	280.00	**560.00**
	Sub Total								**1980151.00**
	Third party Inspection Charges @ 1%								**19802.00**
	Miscesalaneous and unforeseen Charges	L/S							**47.00**
								Total	**2000000.00**

Rupees Twenty Lakh(s) Only

CERTIFICATE :

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2016-17 and KPWD SR 2014-15.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

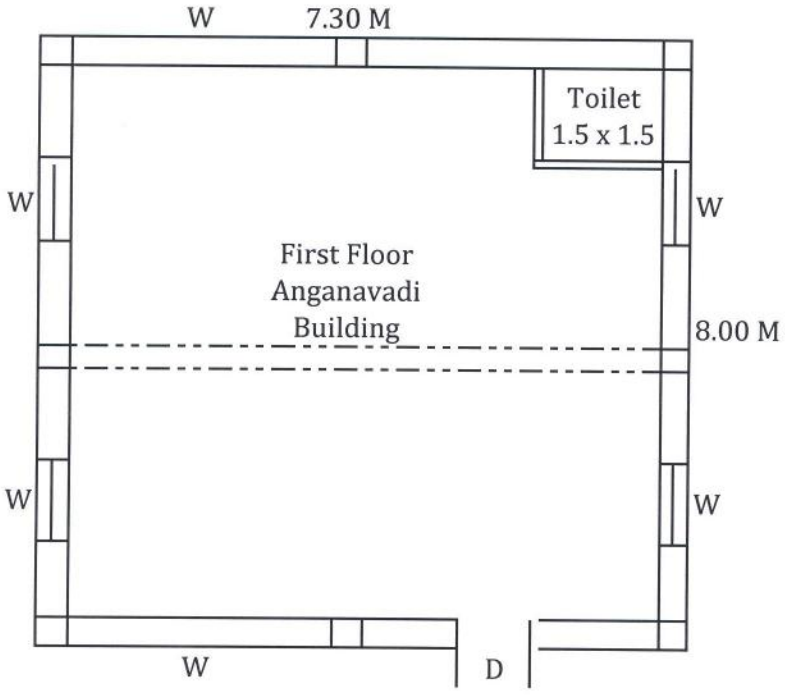
12/01
Executive Engineer
Bruhat Bangalore Mahanagara Palike
12/01 Byatarayanapura Division

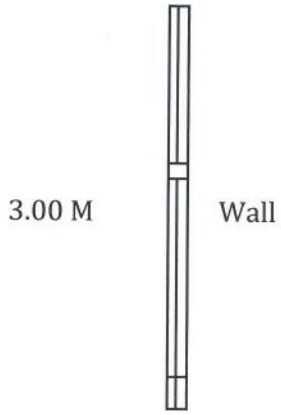
Administrative Approval
Accorded For 20.00 lakh Rs
Head of A/C P 1771
CER NO : 156 Dt:. 12.01.17

TA CE (YNK)

TECHNICAL SANCTION
Accorded For Rs. Twenty lakhs only
Head of A/c P-1771
Div. Ref. No. 126/16-17 Date 12/01/17
AE EE(BTP) 12/1

Name of Work: Construction of 1st Floor at Anganavadi Centre, Thindlu in Ward No. 09 (Vidyaranyapura) Vidyaranyapura Sub Division.





INDEX:

D Door 1.20x2.10 M
W Windows 1.50 x 1.20 M

Beams:

0.20 x 0.45 M

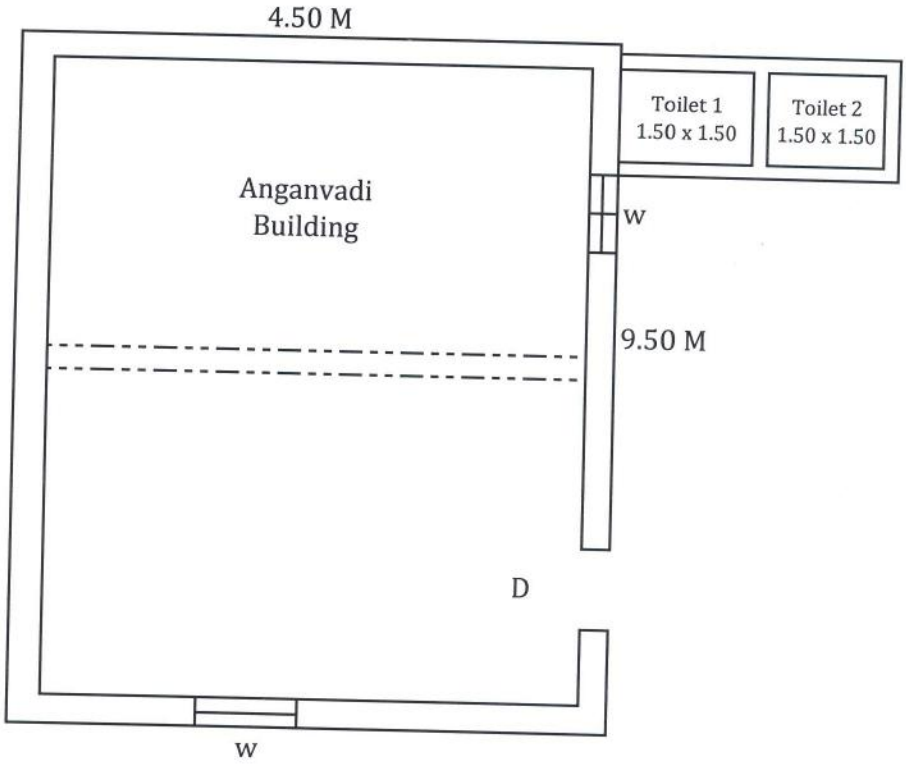
Columns
0.20 x 0.45 M

Cross Section

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division

Name of Work: Construction of 1st Floor at Anganavadi Centre, Thindlu in Ward No. 09 (Vidyaranyapura) Vidyaranyapura Sub Division. (repair of Narasipura Anganavadi).



Raising of Wall to 1.00 M and Concrete Roof

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division